

S/120/62/000/002/018/047
E192/E382

An instrument for ...

one or two timing pulses during 1.5 μ s. The coincidence output pulse is applied to a 0.5 μ s delay line and then actuates a switching univibrator which closes the counter for the duration of three timing pulses. This time interval is sufficient for reading or interrogating the counter and recording its count. The front of the switch-off pulses is delayed by 1 μ s and then used to actuate a blocking oscillator which triggers an interrogation circuit and the time base 2. The state of the counter is indicated at the output of the interrogation circuit in the form of a train of pulses and these are applied to the vertical deflection plates of the tube and are recorded on the time base 2. The first line records a random number corresponding to the state of the counter at the instant of the appearance of the input pulse. The input pulse with a delay of 0.5 μ s is applied to the time base 1; the interrogation pulse and the 1 Mc/s time markers are also applied to this time base through a mixer. The interrogation pulse is introduced into the time base 1 in order to eliminate the ambiguity during ± 1 period of the quartz-crystal oscillator.

Card 3/4

An instrument for ...

S/120/62/000/002/018/047
E192/E382

When the unblanking pulse of the time base 2 is terminated vertically by one step. The process is repeated during the appearance of the next pulse at the input. A block diagram of the instrument is given and its operation is illustrated by a number of wave forms. The instrument permits measurement of the individual time intervals with an accuracy of

$\pm (0.02 \mu s + 10^{-6} t_m)$, where t_m is the measured time interval; 10^{-6} represents the short-term instability of the quartz crystal. The maximum number of measured intervals is 40.

There are 6 figures and 1 table.

SUBMITTED: May 4, 1961

Card 4/4

PELYKH, V. M.

"Investigation of Methods of Using Natural Gas as a Fuel for Automobiles." Cand
Tech Sci, Kiev Automobile and Road Inst, Min Higher Education USSR, Kiev, 1954.
(XL, No 1, Jan 55)

Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational
Institutions (12)

SO: SUM No. 556, 24 Jun 55

PELYKIN, V. M.

"Investigation of Methods of Using Natural Gas as a Fuel for Automobiles." Cand Tech Sci, Kiev Automobile and Road Inst, Min Higher Education USSR, Kiev, 1954. (KL, № 1, Jan 55)

Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions.(15)
SO: Sum. №. 598, 29 Jul 55

PELYMSKIY, G.A.

Possible role of natural galvanic currents in localizing
hypogenic uranium ores. Geofiz. razved. no.11:65-80 '63.
(MIRA 16:8)

(Uranium ores--Electric properties)

PELYMSKIY, G.A.; KASHPIROV, S.N.

Association of uranium mineralization in hydrothermal veins with
pyrite-containing rocks. Geol.rud.mestorozh. no.4:77-83 Jl-Ag
'62. (MIRA 15:8)

(Pyrites) (Uranium ores)

PELYMSKIY, G.A.

Effect of enclosing rocks on ore deposition in hydrothermal
deposits of uranium. Geol.rud.mestorozh. no.6:39-51
N-D '59. (MIRA 13:7)
(Ore deposits)

PELYUNIN, P. A.

Hydroxycarboxylic Acid

N-arylamides of hydrocarboxylic acids and their transition into heterocyclic acids and their transition into heterocyclic compounds. "hur. ob. khim. 21(83) no. 12, 1951.

9. Monthly List of Russian Accessions, Library of Congress, April ² 1958, Uncl.

ZISLIN, S.G.; MOZOKHIN, N.G.; PELYUSHENKO, O.I.; SOLOV'YEV, V.S.; CHERNO-
MASHEVSEV, A.I.; YAKUBOVICH, I.Ye.; BORISOV, H.I., red.;
KEYAZH, V.V., red.; BRULIKOVSKAYA, R.G., tekhn.red.

[The GAZ-69, GAZ-69A, and M-72 high-roadability automobiles;
construction and operation] Avtomobili vysokoi prokhodimosti
GAZ-69, GAZ-69A i M-72; ustroistvo i ekspluatatsia. Pod red.
N.I.Borisova. Gor'kii, Gor'kovskoe knizhnoe izd-vo, 1959.
363 p.

(MIRA 13:5)

1. Glavnnyy inzhener Gor'kovskogo avtozavoda (for Borisov).
(Automobiles)

GOROKHOVSKIY, D.M.; GUTKIN, S.G.; ZISLIN, S.G.; KUZNETSKII, K.D.;
PELYUSHENKO, O.I.; POPOV, B.N.; YAKUBOVICH, I.Ye.;
PROSVIRNIN, A.D., otv. red.; KNYAZEV, V.V., red.;
YUNISOVA, M.I., tekhn. red.

[Motor vehicles manufactured at the Gorkiy Automobile Plant]
Avtomobili Gor'kovskogo zavoda. Gor'kii, Gor'kovskoe knizh-
noe izd-vo, 1963. 390 p. (MIRA 16:4)

1. Glavnnyy konstruktor Gor'kovskogo avtozavoda (for Prosvirnin).
(Gorkiy--Motor vehicles)

ZISLIN, S.G.; MOZOKHIN, N.G.; PELYUSHENKO, O.I.; CHERNOMASHENTSEV, A.I.;
YAKUBOVICH, I.Ye.; BORISOV, N.I., glavnny konstruktor, otvetstvennyy
redaktor; PONOMARENKO, A.D., redaktor; ZAKHAEV, K.A., tekhnicheskiy
redaktor

[GAZ-69 and GAZ-69A automobiles; a description of their construction,
adjustment, and maintenance] Avtomobili GAZ-69 i GAZ-69A; opisanie
konstruktsii, regulirovka i ukhod. Gor'kii, Gor'kovskoe knizhnoe
izd-vo, 1956. 317 p. (MIRA 10:2)

1. Avtozavod, im. Molotova (for Borisov)
(Automobiles)

PELYUSHENKO, V.M.; BAKLANOV, N.I.

Some results of geophysical studies in searching for corundums in the
region of the Sea of Azov. Geofiz.sbor. no.2:107-110 '62.
(MIRA 16:3)

1. Dnepropetrovskaya geofizicheskaya ekspeditsiya tresta
"Ukrgeofizrazvedka".
(Azov Sea region—Corundum)

PELYUSHENKO, V. M.

Prospecting for concealed iron ore deposits in the Krivoy Rog Basin. Geofiz. sborn. no. 8; 69-80 '64. (MERA 18:6)

1. Dnepropetrovskaya geofizicheskaya ekspeditsiya tresta "Ukrgeofizrazvedka".

PELYUSENKO, V.M.

Field station for magnetic observations. Razved. i pro. geofiz.
no. 35:65-69 '60. (MIRA 13:12)
(Prospecting--Geophysical methods--Equipment and supplies)
(Magnetic variometer)

PELYUSHENKO, V.M.

Interpretation of magnetometric and gravimetric observations on the southern sector of the Belozerka magnetic anomalies. Geofiz. sbor. no.7:105-108 '64. (MIRA 17:11)

1. Dnepropetrovskaya geofizicheskaya ekspeditsiya tresta "Ukrgeofizrazvedka".

FELYUSHENKO, V.M.

Use of gravity variometers for determining the location of cavities
in mine workings. Razved. geofiz. no.4:75-79 '65. (MIRA 18:9)

CA

The determination of halogens in photographic emulsions.
A. Wagner and A. Peitz (Tech. Hochschule, Vienna).
Appl. Chem. Ztg. 52, 209-12 (1951).—The authors apply
the differential potentiometric method to the detn. of halo-
gens in photographic plates, films, and papers. The Ag is
removed by forming $\text{Ag}(\text{CN})_2^-$ in soln.; excess cyanide is
removed by acidification and heating while CO_2 is bubbled
through the soln.; when the Ag halides begin to ppt., HgS
is passed in to ppt. the Ag as Ag_2S . HOAc is added and the
remainder of cyanide boiled off. The Ag_2S is now filtered
off, and halides are titrated with AgNO_3 soln. of appropriate
concen. The app. used consists of an isolated electrode,
connected to the main titration vessel by a small-bore tube.
The distinct potential maxima assoc. with the end points
for each Ag halide make the method attractive. The pro-
cedure outlined consumes about 5 hrs., and yields satisfac-
tory results. J. Dizer

JILEK, J.O.; POMYKACEK, J.; SVATEK, E.; SEIDLOVA, V.; RAJSNER, M.; PELZ, K.;
HOCH, B.; PROTIVA, M.

Neurotropic and psychotropic substances. Pt.2. Coll Cz Chem
30 no.2:445-462 F '65.

1. Forschungsinstitut fur Pharmazie und Biochemie, Prague.
Submitted May 4, 1964.

JILEK, J.O.; PELZ, K.; PAVLICKOVA, D.; PROTIVA, M.

Neurotropic and psychotropic substances. Pt.4. Coll Chem
30 no.5:1676-1683 My '65.

1. Forschungsinstitut fur Pharmazie und Biochemie, Prague.
Submitted June 22, 1964.

PELZ, K.; BLAHA, L.; WEICHERT, J.

Synthetic tests in the group of hypotensive active alkaloids. Part
16: Analogues of reserpines and isoresserpines separated from mescaline.
Coll Cz Chem 26 no.4:1160-1173 Ap '61.

1. Forschungsinstitut fur Pharmazie und Biochemie, Prag.

(Alkaloids) (Reserpine) (Mescaline)

CZECHOSLOVAKIA

JILEK, J.O; PELZ, K; VEJDELEX, Z.J; PROTIVA, M

Research Institute for Pharmacy and Biochemistry (Forschungs-institut fur Pharmazie und Biochemie), Prague

Prague, Collection of Czechoslovak Chemical Communications,
No 1, January 1966, pp 269-278

"Neurotropic and psychotropic substances. Part 7: 2-alkoxy-9-(3-dimethylaminopropyliden) thioxanthene and an additional derivative of prothixene."

WEICHERT, J.; PELZ, K.; BLAHA, L.

Synthetic experiments in the group of hypotensive active alkaloids.
XVII. Simplified methods for synthesis of (+)-deserpidine and related
substances. Coll Cz chem 26 no.6:1529-1536 Je '61.

1. Forschungsinstitut für Pharmazie und Biologie, Prag.

(Alkaloids) (Deserpidine)

FELZ, Karel

Synthesis of berbinc alkaloids. Chem listy 57 no.10:1107-1127
O '63.

1. Vyzkumny ustav pro farmacie a biochemii, Praha.

PELZ, P.

Distr: 4E4j

621.315.21

1 5151. ECONOMIC CONSIDERATIONS ON THE CHOICE OF CROSS
SECTION AND ON THE MODE OF LAYING OF LOW VOLTAGE
CABLES WITH AL CONDUCTORS. A. Špalek and P. Pešek.

Energetika (Prague), Vol. 3, No. 5, 192-5 (1958). In Czech.

Pa X Calculations with the aid of the Kelvin relation lead to most
economical cable cross-sections; these are usually very large. To
take into consideration also the scarcity of non-ferrous metals, a
method of calculation is proposed for the "optimum" cross-section,
which falls between the economical cross-section and that deter-
mined from the current rating of a single buried cable. Nomograms
for quick evaluations are given and two examples calculated.

N. Klein

3

JL

L 04531-67 EWP(m)/EWT(l)/T-2 LJP(c) WW
ACC NR: AP6033090 SOURCE CODE: CZ/0090/66/000/004/0527/0543

AUTHOR: Pelz, P. (Engineer; Candidate of sciences)

10
B

ORG: Czechoslovak Academy of Sciences

TITLE: Steady one-dimensional flow of a conducting medium in various types of
MHD generators

SOURCE: Ceskoslovenska akademie ved. Acta technica, no. 4, 1986, 527-543

TOPIC TAGS: electrode, generator, homogeneous magnetic field, Lorentz force
/MHD generator, Hall generator, Faraday generator

ABSTRACT: The author formulates the basic equations for a steady one-dimensional flow of a conducting medium through the channel of a MHD generator in a homogeneous magnetic field. Cooling of the generator by the transfer of constant heat from a unit area of the wall surface and friction against the walls of the constant cross-section channel are considered. The specific conductivity of the medium is a constant tensor. Auxiliary functions represent the specific capacity of the generator, the Lorentz force, the transverse and axial components of the current density, and the intensity of the electric field, and specific cooling and

Card 1/2

L 04531-67

ACC NR: AP6033090

friction. These functions are formulated for various electrode connections which define the type of generator. The Faraday generator with an oblique connection of the load, and the Hall generator, with oblique shorting straps, are considered. The solution of the system of basic nonlinear differential equations gives the temperature dependences and the axial coordinates of velocity. From these, the dependences of other quantities of the state of the medium and the specific generator power output are deduced. These determine the intensities of the electric field and the current density according to the distance from the generator channel inlet. Expressions for the terminal voltage of various generator types are finally deduced. Orig. art. has: 42 formulas and 1 figure. [Based on author's abstract]

SUB CODE: 09, 10, 20 / SUBM DATE: 10Mar66 /

Card 2/2 gd

2/042/62/000/007/001/002
E197/E335

AUTHOR: Pelz, Pavel, Candidate of Sciences, Engineer

TITLE: Ferromagnetic sheet of [intensity] dependent permeability in a homogeneous alternating magnetic field

PERIODICAL: Elektrotechnicky časopis, no. 7, 1962, 377-391

TEXT: The magnetic skin in steel sheet which is placed in an alternating, homogeneous magnetic field is investigated. The magnetization curve is dependent on the intensity of the field and is substituted by a parabola of the n-th degree. It is assumed that the sheet is of infinite size but generally thinner than twice the depth of possible penetration, that the intensity of the magnetic field is large enough to be above the bend of the magnetization curve and that there are no hysteresis losses. The author arrives at formulae for the parameters B , H and σ of the electromagnetic field and for the phase shift which will remain within $\pi/4$ to $\pi/5$, in all cases, the electric-field vector leading the vector of the magnetic field. The eddy losses and the depth of penetration are also evaluated, the

Card 1/2

FELZ, Pavel, inz., CSc.

Eddy currents in the ferromagnetic plate-bushing system. Acta
techn Cz 8 no.5:493-508 '63.

1. Institut fur Elektrotechnik der Tschechoslowakischen Akademie
der Wissenschaften, Praha 1 - Nove Mesto, Vaclavske namesti 55.

"APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001239920002-3

PELZ, Pavel, inz. CSc.; STEFAN, Pavel, inz. CSc.

Mechanism of magnetohydrodynamic conversion of energy. El tech
cas 16 no.2:109-120 '65.

APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001239920002-3"

PELZBAUER,Z.

On the structure and properties of polyamides, Pts. 9-10.
Coll Cz Chem 29 no.1:56-59; 309-311 Ja'64

1. Institute of Macromolecular Chemistry, Czechoslovak Academy of Sciences, Prague.

CZECHOSLOVAKIA

PELZRAUER, Z.; JOST, F.; BAZANT, V.

Institute for Theoretical Foundations of Chemical Engineering, Czechoslovak Academy of Sciences (Institut für theoretische Grundlagen der chemischen Technik, Tschechoslowakische Akademie der Wissenschaften), Prague-Suchodol (for all)

Prague, Collection of Czechoslovak Chemical Communications, No 2, Feb 1966, pp 902-907

"Organosilicon compounds. Part 44: Combination of silicum carbide by direct synthesis of arylhalogensilanes."

PROKOPOVA, H.; PELZBAUER, Z.

Microscopic study on the intrinsic morphology of suspended
polyvinyl chloride particles. Chem prum 15 no.1:30-32
Ja '65.

1. Institute of Macromolecular Chemistry of The Czechoslovak
Academy of Sciences, Prague.

PELZBAUER, Z.

Establishment of the Group of Polymer Morphology. Chem prum 14
no.4:211 Ap '64.

1. Institute of Macromolecular Chemistry, Czechoslovak Academy
of Sciences, Prague - Petrin'y.

SEBENDA, J.; PELZBAUER, Z.; TOMKA, J.

CSSR

Institute for Macromolecular Chemistry, Czechoslovak Academy of Sciences, Prague (for all)

Prague, Collection of Czechoslovak Chemical Communications, No 2, 1963,
pp 310-319

"Alcalic Polymerization of 6-Caprolactam VIII.

Influence of Conditions for Reaction in Adiabatic Alkalic Polymerization on the Morphological Structure of Poly-6-Caprolactam"

(3)

SEKHENDA, J.; PEIzbauer, Z.; TOMKA, J.

Alkaline polymerization of 6-caprolactams. Pt.8. Coll Cz
Chem 28 no.2:310-319 F '63.

1. Institut fur makromolekulare Chemie, Tschechoslowakische
Akademie der Wissenschaften, Prag.

KASPAR, Frantisek; PELZBAUER, Zdenek

Interaction between adsorption of substances on pigments and
pigment agglomeration. Chem prum 12 no.10:569-575 O '62.

1. Vyzkumný ustav syntetických průškyríc a laku, Pardubice
(for Kaspar). 2. Ustav makromolekulární chemie, Československá
akademie ved, Praha (for Pelzauer).

L 0109-66 EWP(t)/EWP(b) IJP(c) JD

CZ/0034/65/000/006/0451/0451

ACCESSION NR: AP5026892

AUTHOR: Pulzel, E. (Engineer, Doctor)

TITLE: A method for removing Pb from metallurgical zinc

SOURCE: Hutnické listy, no. 6, 1965, 451

TOPIC TAGS: lead, zinc, metal purification

ABSTRACT: The article is an abstract of Czechoslovak Patent Application Class 40a 19/32, PV 3095-62, dated 21 May 1962. The invention describes removal of Pb from Zn containing approximately 2% of Pb. The agent used is either Na or K or their mixture in an amount of up to 5% by weight, at a temperature of approximately 500°C; after cooling to 430°C the slag containing all the Pb is removed; thereby the Pb content of the zinc is reduced to 0.1%. The zinc used contained up to 10% Al, 5% Cu, and also Ca and Mg in amount up to 1%.

ASSOCIATION: none

SUBMITTED: 21May62

ENCL: 00

SUB CODE: MM

NR REF Sov: 000

OTHER: 000

JPRS

Card 1/1 (JC)

80380

Z/009/60/010/05/039/040

E142/E135

15.7000

AUTHORS: Otakar Kolář, Zdeněk Pelzbauer and František KašparTITLE: Determination of the Particle Size, Distribution and Specific Surface of Pigments Used in Paints

PERIODICAL: Chemický Průmysl, 1960, Vol 10, Nr 5, pp 274-278

ABSTRACT: Lacquers contain an average of 20 to 50 volume % of pigments and fillers. The properties, especially the size and the distribution of particles, as well as the specific surface, are therefore most important. These parameters were determined by electron microscopy and results compared with data obtained by the sedimentation method devised by Andreasen (Ref 7). The specific surface of the pigments and fillers was estimated by the BET (Refs 8-10) gas adsorption method and values compared with results obtained according to the Carman method (Ref 14). The tested pigments and fillers are listed in Table 1. Photographs of the vacuum adsorption apparatus and the Carman apparatus are shown in Figs 2 and 3. Electron microphotographs of the various tested substances are given in Figs 4-8. The electron-microscope method was found to be most satisfactory for

X

Card
1/2

PELZER, A.

PELZER, A. The profitableness of the mechanized coal extraction. P. 306.

Vol. 7, no. 7, July 1956
REVISTA MINEILO
TECHNOLOGY
Bucuresti, Rumania

So: East European Accession, Vol. 7, no. 3, March 1957

S/262/62/000/007/010/016
I007/I207

AUTHOR: Pelzer, Emil

TITLE: Automatic height-controlled admission of fuel into the aviation engine

PERIODICAL: Referativnyy zhurnal, otdel'nyy vypusk. 42. Silovyye ustankovki, no. 7, 1962, 73, abstract
42.7.398. P. Czech. patent, class 46f, 8/01, no. 97682, December 15, 1960

TEXT: For the automatic control of fuel admission into the engine in dependence on the height of flight the system of hand steering is equipped with a lever of the first kind fixed to a rod, which may be shifted by an aneroid system. The ends of the lever arm move in parallel slots of the steering elements connected with said lever. One of the lever ends is blocked by special screws. The slots are cut perpendicular to the axis of the aneroid rod thus permitting the lever to change its bearing point during its motion and hence the lever arm ratio and fuel regulator adjustment.

[Abstracter's note: Complete translation.]

Card 1/1

PELZL, R.

Raising the electric conductivity of commercial aluminum. p. 477.
(Hutnicke Listy, Vol. 11, no. 8, August 1956. Brno, Czechoslovakia)

SO: Monthly List of East European Accessions. (EEAL) LC. Vol. 6, No. 6,
June 1957. Uncl.

COUNTRY:	: Czechoslovakia	B-5
CATEGORY:	:	
ABS. JOUR.	: RZKhim., No. 5 1960, No.	16776
AUTHOR	: Pelzl, R.	
INST.	: Not given	
TITLE	Increasing the Electric Conductivity of Technical Aluminum	
ORIG. PUB.	Vyzk Prace Oboru Nezalezn Kovu Praha, SNTL, 1957, 15-16	
ABSTRACT	The author has shown that impurities which affect the electric conductivity of technical Al can be classified into three groups: those having a weak effect (Au, Ga, Ni, Si, Fe, Zn), those having a stronger effect (Cu, Ag, Mg), and those having a marked effect (Ti, V, Cr, Mn). Impurities which form metallic compounds which are insoluble in the base metal do not lower the electric conductivity. The strong effect of Ti and V can be explained by the fact that they form carbides which have high	
CARD#	1/2	

"APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001239920002-3

PELZL, R.

Metallurgy in Japan. Nova technika no.8:367-368 '60.

APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001239920002-3"

"APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001239920002-3

APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001239920002-3"

DURCANSKY, Vladimir, inz., CSc.; PELZL, Rudolf

Electrothermic production of aluminum alloys, in particular
silumin in Czechoslovakia. Pt. 1. Hut listy 18 no.6:416-424
Je '63.

1. Vyzkumny ustav kovu, Panenske Brezany.

DURCANSKY, Vlad., inz., CSc.; PELZL, Rudolf

Electrothermic production of aluminum alloys, in particular
silumin in Czechoslovakia. Pt.2. Hut listy 18 no.7:489-499
Jl. '63.

1. Vyzkumny ustav kovu, Panenske Brezany.

ACCESSION NR.	AP5016904	PO/0097/65/005/001/0111/0122
AUTHORS:	Pelzner, E. (Warsaw); Puzewicz, Z. (Warsaw)	13 B
TITLE:	The Helmholtz equation in a cylindrical region	
SOURCE:	Proceedings of vibration problems, v. 6, no. 1, 1965, 111-122	
TOPIC TAGS:	differential equation, Dirichlet problem, transmission line, Fredholm equation, asymptotic property	
ABSTRACT:	Assuming a region sufficiently regular for application of Green's theorem, the authors treat the Neumann and Dirichlet problems for the Helmholtz equation for excitation of a transmission line	
	$\nabla^2 u + k^2 u = -f(x, z)$, (1)	
	in two parts. First they reduce the problem to the solution of a Fredholm integral equation which they solve formally. Then they treat the asymptotic behavior of the solution at infinity in the Lighthill sense of distributions and prove a uniqueness theorem for real wave numbers corresponding to a lossless medium. Orig. art. has: 62 formulas.	
ASSOCIATION:	none	
CONT:	1/2	

"APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001239920002-3

L 61740-65

ACCESSION NR: AF5016904

SUBMITTED: 09Jul63

EECL: 00

SUB CODE: MA

NO REF SOY: 001

OTHER: 004

APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001239920002-3"

"APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001239920002-3

PELZNER, Eugeniusz (Warsaw)

Theory of dipole antenna as a boundary problem. Procseed vibr probl
3 no.4:305-324 '62.

APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001239920002-3"

ABATUROV, A.I.; VINOGRADOV, M.A.; DUBROVA, G.B.; LOTOREV, L.M.; ZORIN, S.N.;
VASIL'YEV, A.A.; VOLOKITIN, A.S.; BUKOVETS'KIY, A.I.; PEMAZKOV, N.S.;
MEZHENTS'EV, P.V.; YEDOORKIN, N.I.; BANILOV, M.M.; LUKASHEV, M.Ya.;
MEYEROVICH, I.I.; KLYUCHEV, A.Ye.; SARYCHEV, V.G.; ZAVILOVICH, M.A.;
NOVOSEL'SKIY, N.M.; GITLITS, S.A.; REZNICHENKO, M.S.; MURZOZ, L.P.;
KHETAGUROVA, F.V.; CHOGOVADZE, Sh.K.; RYBCHENKO, A.A.; BOCHAROVA, N.P.;
GAGLOYEVA, N.A.; KRYUKOVA, T.B.

Rubinshtein, Grigorii Leonidovich; 1891-1959. Sov. torg. 33 no.12:56
(MIRA 13:2)
D 1959.
(Rubinshtein, Grigorii Leonidovich, 1891-1959)

FEMBEK, A. M.

20935 Fembek, A. M. Vospriozvodite l'naya spcscbnest' Krasnogo stepnogo skota.
Trudy Odes. s.-kh. in-ta, t. V, 1948, s. 117-22-Bibliogr. 18 nazv.

SO: LETOPIS ZHURNAL STATIY - Vol. 28, Moskva, 1949

TSYS', M.; PJEMBEK, Ya.

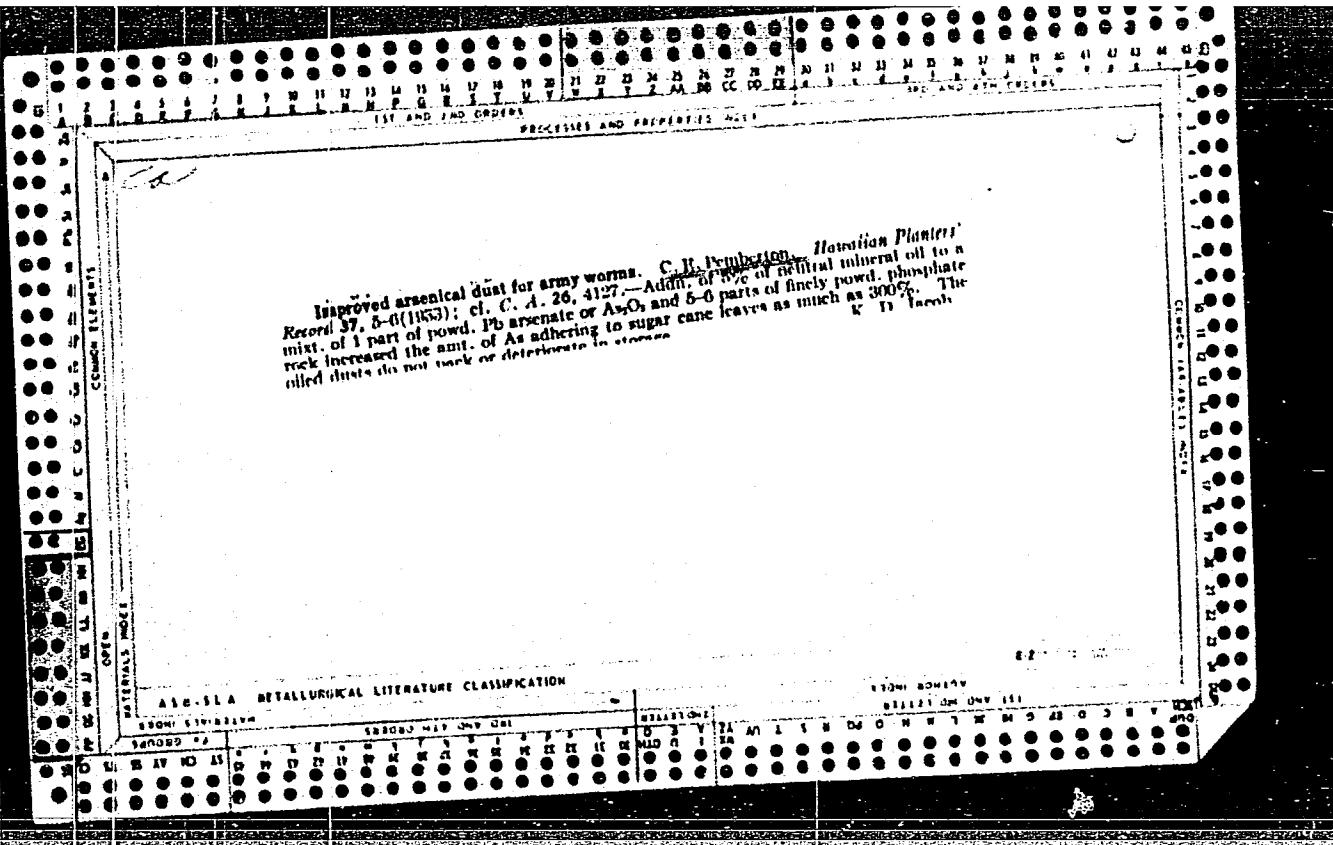
Using phosphates in sausages manufacture. Mias.ind.SSSR 30 no.6:
46 59. (MIRA 13:4)

1. Khersonskiy myasokombinat.
(Kherson--Sausages)

PEMBIK, Ya.

Foreman must be responsible for production quality. Mias. ind.
SSSR 29 no.3:29 '58. (MIREA 11:6)

1. Starshiy vetrach Khersonskogo myasokombinata.
(Meat industry—Quality control)



Stability of liquid fuels to oxidation in an air-fuel mixture, a method for the determination of antiknock properties. G. G. Penelov. Aeroflotshanskie Neftyanie Khos. 1938, No. 7-8, 25-9. The detonation is measured by the "cold flame" method in an app. described by the author. A. A. Rohtlinck.

PEMKOV, L; DAKOV, V.

"Levskigrad", P. 3, (GEOGRAPIIA, Vol. 4, No. 5, 1954, Sofiya, Bulgaria)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No 1,
Jan. 1955, Uncl.

PEML, V.

A radio compass in the AERO-45. p. 310. (Kridla Vlasti, No. 10, May 1957,
Praha, Czechoslovakia)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, No. 8, Aug 1957. Uncl.

GALANIN, K.P., kand. tekhn. nauk; SHEVKUN, B.T.; IENOV, Yu.A.;
KHALASH, R., red.

[Optimum cutting conditions and the geometry of disk cutters of stonecutting machines] Optimal'nye rezhimy rezaniia
i geometriia reztsov diskov vannereznykh mashin. Kishinev,
Kartia moldoveniaseke, 1964 103 p. (MIRA 18:9)

BOGOMOLOV, S.G.; PEMOVA, F.D.; KOLOSOVA, L.P.

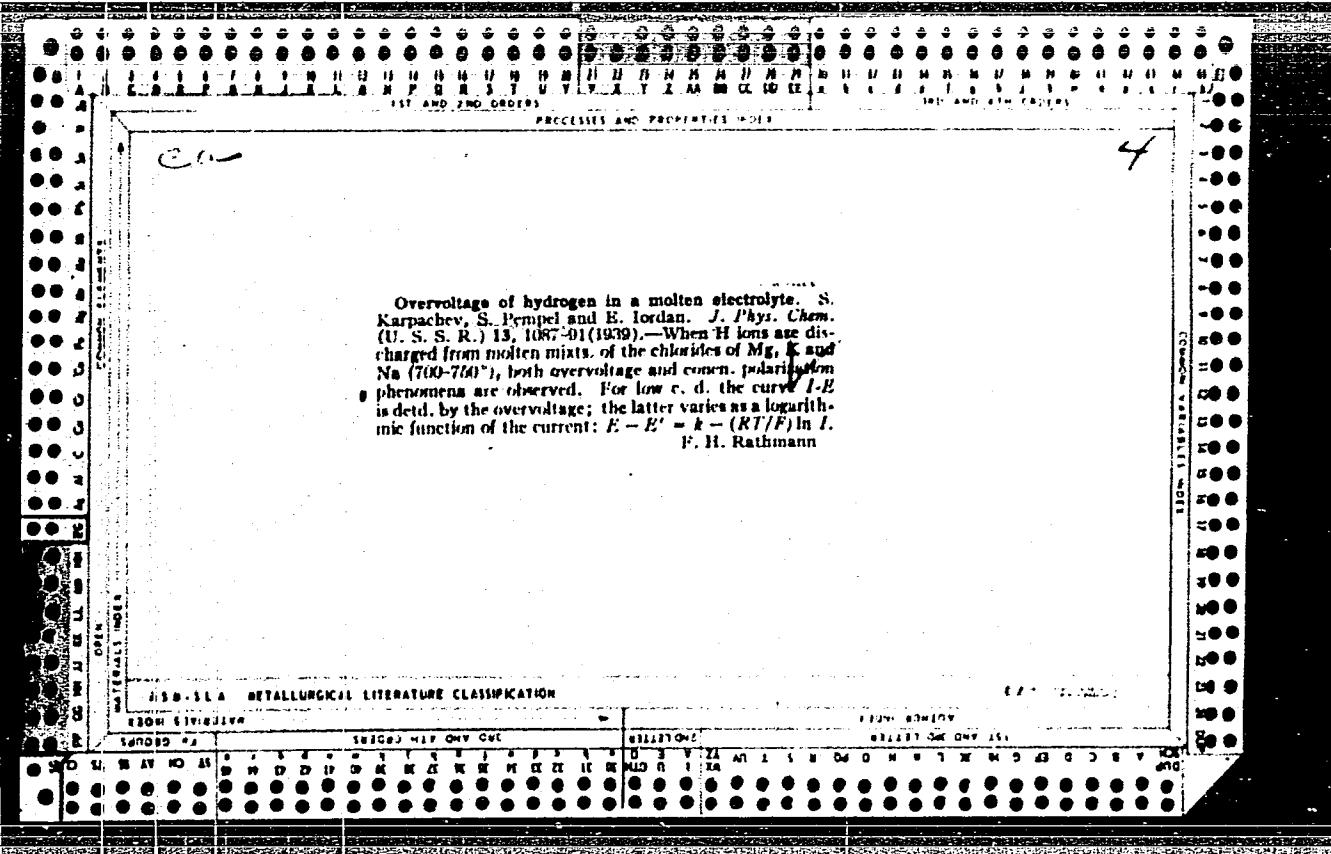
"Last lines" of the spectrum of 3,4-benzopyrene dissolved in
normal hydrocarbons at various temperatures. Izv.AN SSSR
24 no.7:725-727 Je '60. (MIRA 13:7)

1. Sverdlovskiy meditsinskiy institut.
(Benzopyrene--Spectra)

PENOVSKI, D.

Vineyards in Macedonia and measures for their improvement. p. 1.
(Socijalisticko zemjodelstvo, Vol. 9, No. 3, Mar. 1957, Skopje, Yugoslavia)

SO: Monthly List of East European Accessions (EEAL) Lc/ Vol. 6, No. 8, Aug 1957. Uncl.



PENZEL', G. [Penzel, G.]

Exhibition of the K.Zeiss People's Enterprise. Izm.tekh.
no.7:61 Jl '60. (MIRA 13:7)
(Moscow--Exhibition) (Jena--Measuring instruments)

PAVLOV, P.V., AKIMOVA, V.V., PEMYANKEVICH, A.N.

Purified adsorbed scarlet fever toxin. Report No.2: Adsorption of
purified scarlet fever toxin. Zhur. mikrobiol. epid. i immun.
29 no.9:8-10 S'58 (MIRA 11:10)

1. Iz Instituta epidemiologii i mikrobiologii imeni Gamalei AMN SSSR.
(STREPTOCOCCUS,
scarlatinae, toxin purification (Rus))

P. M. KAYEV, L. I.

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PHASE I BOOK EXPLOITATION

SOV/3491

SOV/11-M-109

Moscow. Aviatsionnyy institut imeni Sergo Ordzhonikidze

Aviatsionnoye priborostroyeniye i avtomatika; sbornik statey (Instrument Making and Automatic Systems in Aviation; Collection of Articles) Moscow, Oborongiz, 1959. 147 p. (Series: Its Trudy, vyp. 109) Errata slip inserted. 5,200 copies printed.

Sponsoring Agency: USSR, Ministerstvo vysshego obrazovaniya.

Ed.: B. A. Ryabov, Doctor of Technical Sciences, Professor; Ed. of Publishing House: N. A. Gortsuyeva; Tech. Ed.: L. A. Garnukhina; Managing Ed: A. S. Zaymovskaya, Engineer.

PURPOSE: This book is intended for scientific and technical personnel in the field of instrument making and automation, and for students of technical schools of higher education.

COVERAGE: The book is a collection of 10 articles describing certain aspects of aircraft automatic control and regulation and aviation instrument making. The

Card 1/5

Instrument Making and Automatic (Cont.)

SOV/3491

articles consist of parts of the authors' dissertations or describe results of scientific research work of the Department of Aircraft Instruments and Automatic Systems of the Moscow Aviation Institute. References are given at the end of some articles.

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Preface

Pemykayev, L. I., Candidate of Technical Sciences. The Problem of
Relative Motion

5

The author studies the kinematics of relative motion in complex systems and derives relationships between kinematic elements (velocity and acceleration) of the motion of a point with respect to each system. The problem is important in the construction of navigational systems.

Danilin, V. P., Candidate of Technical Sciences. Using Gyroscopes With
Three Degrees of Freedom for Measurement of Angular Velocities 22

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Instrument Making and Automatic (Cont.)

SOV/3491

Danilin, V. P., Candidate of Technical Sciences. Diagrams of Biaxial Measuring Devices of Angular Velocities on the Basis of a Gyroscope With Three Degrees of Freedom 33

The author considers independent methods of fluid velocity measurement, compensation of temperature errors, and some other problems of aviation instrument production.

Vovchenko, N. Ya., Candidate of Technical Sciences. Dynamic Characteristics of Velocity Spiral Vane Flowmeters 43

The author discusses dynamic errors of flowmeters in measuring variable rate flows. Analytic formulas are established and experimental verification of coefficients is given.

Denisov, V. G., Candidate of Technical Sciences. Application of Similarity Theory and of Physical Modelling to the Investigation of Velocity Flowmeters for Liquids 58

The author presents an effective method for determining the basic characteristics of current-type flowmeters under various operating conditions. Results obtained by theoretical methods were checked experimentally.

Card 3/5

Instrument Making and Automatic (Cont.)

SOV/3491

Vovchenko, N.Ya., and A. P. Yurkevich, Candidates of Technical Sciences.
Analysis of Kinematic Temperature Compensation
The authors present a method of compensating for temperature errors
in navigational instruments with linear and nonlinear characteristics
of membrane deflections.

70

Yurkevich, A. P., Candidate of Technical Sciences; and Engineer Yu. F.
Anan'yev. Methods of Measuring Velocity of an Airflow
The authors review Soviet and foreign literature on variable
airflow measuring methods.

79

Vertinov, A. I., and S. R. Mizurin, Candidates of Technical Science.
Precise Regulation of D.C Motor Speed
The authors have developed a method of controlling synchronous
rotation speeds of d-c motors which has a high stabilization accuracy.

94

Karogodin, V. M., Candidate of Technical Sciences. A Problem of Fighter
Aircraft Dynamics
The author establishes and solves the differential equation of
fighter aircraft motion, finds the law of this motion on the
trajectory, computes loads acting on the fighter aircraft, and
determines the method of its control.

121

Card 4/5

PEMZESNE, J.S.; GIAZ, E.; KOS, R.

The use of depot-penicillin preparations in surgery with special regard
to the efficacy of fontacillin. Orv. hetil. 92 no.14:440-447 8 Apr 1951.
(CLML 24:5)

1. Originally published in Uspekhi sovremennoi biologii, vol 30, pp 414-
437.

PESHKOVA, V.M.; PEN AN

Complex formation of hafnium with chloride, nitrate, and sulfate
ions studied by the distribution method. Vest.Mosk.un. Ser.2:Khim.
18 no.1:40-42 Ja-F '63. (MIRA 16:5)

1. Kafedra analiticheskoy khimii Moskovskogo universiteta.
(Hafnium compounds)

PEN R.M.

PEN, R.M.

Problems in the physiology and pathology of the higher nervous activity
in children. Zhur.vys.nerv.deiat. 7 no.2:315-317 My-kp '57.
(NERVOUS SYSTEM) (MLRA 10:9)

PEN, R.M.

BELYAYEVA, Ye.D., doktor med.nauk; PEN, R.M.

Disorders of the higher nervous activity in bronchial asthma in
children. Pediatris no.9:44-50 S '57. (MIRA 10:12)

1. Iz Nauchno-issledovatel'skogo pediatriceskogo instituta RSFSR
(dir. - kandidat meditsinskikh nauk V.N.Karachevtseva)
(NERVOUS SYSTEM--DISEASES) (ASTHMA)

USSR/Human and Animal Physiology - The Nervous System.

T

Abs Jour : Ref Zhur Biol., No 3, 1959, 13248
Author : Belyayeva, Ye.D., Peh, R.M.
Inst :
Title : Disturbance of Higher Nervous Activity in Children
with Bronchial Asthma
Orig Pub : Pedietriya, 1957, No 9, 44-50
Abstract : In 45 children, who had suffered from bronchial asthma
since the age of 3 - 4 years (in 29 cases associated
with chronic pneumonia), shortly before the onset of
asthma or at the time of an attack there was a diminu-
tion in the closing activity of the cortex, a paradox-
ical phase, a debility of active inhibition, a distur-
bance in the coordination of the signal systems.
There were also noted pronounced manifestations of
dystonia of the nervous system, prevalence of tonus
in the parasympathetic system and paradoxical

Card 1/2

KAGANOV, S.Yu.; BELYAYEVA, Ye.D.; PEN, R.M.; DOGEL', N.V.; MIZERNITSKAYA, O.N.; KARMINOVA, Z.A.

Some problems in the pathogenesis, clinical aspects, and treatment of bronchial asthma in children. Vop. okh. mat. i det. 4 no.4:46-50 Jl-Ag '59. (MIRA 12:12)

1. Iz klinicheskogo otdela (zav. - dotsent N.P. Savvatimskaya) Gosudarstvennogo nauchno-issledovatel'skogo pediatriceskogo instituta (ispolnyayushchiy obyazannosti direktora - kand.med.nauk A.P. Chernikova, zamestitel' direktora po nauchnoy chasti - prof. N.R. Shastin). (ASTHMA)

PEN, R.M.

Disorders of the higher nervous function in rheumatism in children.
Pediatrilia, Moskva no.4:5-10 July-Aug 1953. (CLML 25:1)

1. Of Moscow Scientific-Research Pediatric Institute (Director -- Prof. S. P. Borisov) of the Ministry of Public Health RSFSR.

PEN, R.M.; BORISOV, S.P., professor, direktor.

Disorders of the higher nervous function in rheumatism in children. Pediatriia no.4:5-10 J1-Ag '53. (MIRA 6:9)

1. Moskovskiy nauchno-issledovatel'skiy pediatricheskiy institut Ministerstva zdravookhraneniya RSFSR. (Nervous system) (Rheumatic fever)

OL'SHANSKAYA, T.S.; PEN, R.M.; TURBINA, N.D.

Problem of leukemia in children. Pediatrilia 37 no.11:3-8 N '59.
(MIRA 13:3)

1. Iz klinicheskogo otdela (zaveduyushchiy - dotsent N.P. Savvatimskaya) Nauchno-issledovatel'skogo pediatricheskogo instituta Ministerstva zdravookhraneniya RSFSR (direktor - kand.med.nauk A.P. Chernikova, zamestitel' direktora po nauchnoy chasti - prof. N.R. Shastin).

(LEUKEMIA in inf. & child.)

PILIPCHUK, Yu.S.; PEN, R.Z.; FINKEL'SHTEYN, A.V.

Identification of the absorption frequencies of C-H bonds in the
infrared spectra of lignin. Zhur.fiz.khim. 39 no.7:1762-1770 Jl
'65. (MIRA 18:8)

1. Sibirskiy tekhnologicheskiy institut.

~~PEN, S., iekhn. nauk~~

Possibilities of producing construction asbestos cement.
Stroi.mat. 4 no.10:7-10 O '58. (MIRA 11:11)
(Asbestos cement)

PEN, S. S.

PEN, S. S. Laureat Stalinskoy Premii Kand. i VEYDENBAUM, G. I. Ml. Nauchn. Sotr.

Tekhn. Nauk St. Nauchn, Sotr. 1

Izuchenije raboty asbestosementnykh volnistykh listov PV-1 ikh krepleniij v
khloonykh pokrytiyakh promyshlennych zdaniy

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SO: Collections of Annotations of Scientific Research Work on Construction, completed
in 1950. Moscow 1951

BERNEY, I.I., kand. tekhn. nauk; PEN, S.S., kand. tekhn. nauk;
FILIPPOVICH, N.I., inzh.; SYSOYEV, B.V., inzh.; RUDHEVA, L.N.,
inzh.

Selecting methods for making asbestos cement sheets for wall
panels. Stroi. mat. 5 no.10:4-8 0 '59. (MIRA 13:2)
(Asbestos cement)

PEN, S.S., laureat Stalinskoy premii, kandidat tekhnicheskikh nauk.

Increasing the durability of corrugated asbestos cement roofing sheets with reinforced sections. Stroi.prom. 32 no.5:29-33 My '54. (MLRA 7:6)

1. Tsentral'naya nauchno-issledovatel'skaya elektrotekhnicheskaya laboratoriya. (Roofing) (Asbestos cement)

TEMKIN, L.Ye., inzh., red.; PEN, S.S., kand. tekhn. nauk, red.

[Provisional instructions for designing asbestos cement elements] Vremennye ukazaniia po proektirovaniu asbestotsementnykh konstruktsii (SN 265-63). Moskva, Stroizdat, 1964. 17 p. (MIRA 17:9)

1. Russia (1923- U.S.S.R.) Gosudarstvennyy komitet po delam stroitel'stva. 2. Gosstroy SSSR (for Temkin). 3. TSentral'nyy nauchno-issledovatel'skiy institut stroitel'nykh konstruktsiy im. V.A.Kucherenko (for Pen).

PEN, S.S., laureat Stalinskoy premii, kandidat tekhnicheskikh nauk.

Quality and assortment of asbestos-cement corrugated sheets
with reinforced contours. Stroi. prom. 34 no.3:36-39 Mr '56.
(MLRA 9:6)

1.TSentral'nyy nauchno-issledovatel'skiy institut promyshlen-
nykh sooruzheniy.
(Asbestos cement) (Walls)

PEN, S.S., kandidat tekhnicheskikh nauk, laureat Stalinskoy premii.

Shaped sections for asbestos-cement corrugated sheets of
reinforced design (VU). Stroi.prom. 34 no.10:38-40 O '56.
(MLRA 9:12)

1. TSentral'nyy nauchno-issledovatel'skiy institut promyshlen-
nykh sooruzheniy.
(Roofing) (Asbestos cement)

PESHKOVA, V.M.; PEN AN

Extraction method of investigating the complexing of hafnium with
acetylacetone in solutions. Zhur.neorg.khim. 6 no.9:2082-2085
(MIRA 14:9)
S '61.

(Hafnium compounds) (Pentandione)

PENA, I.

Reduction of the drying time for beech staves.

p. 264 (*Industria Lemnului*) Vol. 6, No. 7, July 1957, Bucuresti, Rumania

SO: MONTHLY INDEX OF EAST EUROPEAN ACCESSIONS (EEAI) LC, VOL. 7, NO. 1, JAN. 1958

PENA, Lazaro

Fighting in Cuba. Munka 9 no.1:36-37 Ja '59.

1. Szakszervezeti Vilagszovetseg titkara.

(ODLENSKI, H. G.; PENAR, B.

Histochemical investigations on phosphorylases and glycogen in liver
of normal and tumor-bearing rodents. Bul Ac Pol biol 9 no.5:195-199
'61. (EEAI 10:9)

1. Laboratory of Histochemistry, Department of Tumor Biology, Institute
of Oncology, Gliwice. Presented by L. Paszkiewicz.

(HISTOCHEMISTRY) (PHOSPHORYLASE) (GLYCOGEN)
(LIVER) (TUMORS) (RODENT ULCER)

PENAR, B.

M. Chorazy, Z. Gettlich, L. Goral, B. Koloczek, E. Molawka, B. PENAR,
Z. Szweda, "Experimental Chemotherapy of Tumors with Hydrogen Peroxide,"
Nature, Vol. 182, No. 4632, 9 Aug 58, pp 395-96.

Published from the Department of Tumor Biology, Institute of Oncology,
Gliwice, Poland. Received 1958.

PENAR, Barbara

Certain improvements in the Khanolkar et al. histochemical method
for the demonstration of corticoids. Folia morphologica 12 no.1:
55-58 '61.

1. Pracownia Histochemiczna, Zaklad Biologii Nowotworow, Instytut
Onkologii, Gliwice. Dyrektor: dr.J.Swiecicki.

PENAR, O. I.

BTX
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Chemical Abstracts
Vol. 48 No. 5
May 10, 1954
Biological Chemistry

Vitamin C biosynthesis in chicks in relation to the presence in the ration of folie acid and its derivatives. V. A. Kiranova, R. A. Krafko, O. I. Penar, A. V. Trufanov, and B. I. Yanovskaya (Nutrition Inst., Acad. Med. Sci. U.S.S.R., Moscow).—*Biokhimiya* 18, 351-3 (1953). A deficiency of pteroylglutamic acid results in an increase in the concn. of vitamin C in the spleen of the chicks. This can be regarded as a compensatory sequence to the enhanced functional activity of the spleen. The introduction of pteroylglutamic acid or of pteroylaminozelanic acid helps to retain the vitamin C in the spleen of chicks at a normal level. It appears possible to assume that a similarity exists between the biol. activity of pteroylglutamic acid and the pteroylaminozelanic acids. Such an assumption finds its basis also in clinical observations. B. S. Levine

Penar, D.E.

✓ Folic acid metabolism in white rats during the development of folic acid deficiency. A. N. Tikhonova and Q. I. Penar (Nutrition Inst., Acad. Med. Sci. U.S.S.R., Moscow). *Zh. Toksykologii i Parazitologii* 15, No. 4, 37-40 (1959).—White rats weighing 60-69 g. received a synthetic diet contg. 1% folinolide (I) and little (200 γ /day/animal) or no (control) folic acid (II). After 5-8 weeks of feeding the amt. of II was studied in 24-hr. samples of urine supplemented by the study of the blood picture. The dietary allowances of I and II were then doubled for 2-3 weeks feeding period, after which the animals were killed for the determin. of II in the liver. In the control animals the daily urinary output of II decreased from 102 to 81 γ after 5 weeks of the exp'tl. feeding; in the case of the II-fed animals it increased from 92 to 150 γ . The total amt. of II in the liver at the end of the experimentation was 29 and 122 γ in the II-deprived and non-deprived rats, resp. In the II-deprived rats the Hb value and white cell and reticulocytic counts of the blood decreased steadily with the exp'tl. time. E. Mischakoff

2
Lab Veterinary Studies

"APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001239920002-3

PENAQ, O.I.

Determination of folic acid in urine. A. N. Tikhomirova

and I. V. Pogar / Nutrition Inst. Acad. Sci. USSR

APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001239920002-3"

TIEHOMIROVA, A.N.; PENAR, O.I.

Method for ridding casein of vitamins closely bound with protein
[with summary in English]. Vop. pit. 16 no.1:69-71 Ja-P '57.
(MIR 10;3)

1, Iz laboratorii izucheniya vitaminov, (zaveduyushchiy - professor
V.V.Yefremov) Instituta pitaniya AMN SSSR, Moskva.

(CASEIN, prep.

purification from vitamins closely bound with protein
(Rus))

(VITAMINS

purification of casein from vitamins closely bound with
protein (Rus))

(PROTEINS

same)

PEHAR, O.I. (Moscow)

Effect of vitamin B12 on the hemoglobin content and erythrocyte
count in rats with riboflavin insufficiency. Vop.pit. 24 no.3:26-
33 My-Je '65. (MIRA 18:12)

1. Otdel vitaminologii (zav. - prof. V.V.Yefremov) Instituta
pitaniya AMN SSSR, Moskva. Submitted September 2, 1964.

PENAR, O.I. (Moskva)

Effect of riboflavin deficiency in the diet on some blood indices
in rats. Vop. pit. 24 no.1:79-83 Ja.-F '65. (MJRA 18:9)

1. Otdel vitaminologii (zav.-- prof. V.V. Yefremov) Instituta
pitaniya AMN SSSR, Moskva.

PENAR, O.I.

Influence of long-term introduction of vitamins into the ration on white rats, general condition and longevity. V. V. EFREMOV, A. N. TIKHOMIROVA, E. M. MASLENKOVA, E. A. KRAVTSOVA, O. I. PENAR and L. G. GOZOZOVA. Institute of Nutrition, A.M.S., Moscow, U.S.S.R.

In our observations, made on 400 white rats for about four years, we studied the influence of a complex of thirteen vitamins added to the ration of the animals since their weaning from females to their death. The rats were divided into groups which received additionally (a) vitamin complex (VC), (b) vitamin complex without vitamin E, (c) only vitamin B₁, (d) only vitamin B₂. We studied the influence of these additions on (1) the weight of body and its length. Animals receiving VC increased them faster. (2) The consumption of feed per 100 g. of body-weight by the rats receiving VC was, on the contrary, less. (3) Excretion of eight vitamins with urine and their content in organs. In urine the rats of the VC group of all ages had these indices higher than control animals. (4) Working capacity; the VC rats gnawed several times as much wood a day as animals of other groups. (5) Fertility and weight of litter; the number of litters from VC females, number of young rats in them, and their weight were greater than those from control rats. (6) The content of cholesterol in blood at the age of 1 year increased in all groups, but most of all in control group of rats. (7) The VC animals had a much lower morbidity and death-rates than control rats; the VC rats had the greatest duration of life of individual animals, that of animals which received B₁ and B₂ vitamins only was less, and rats of control group had the least longevity.

6th International Congress on Nutrition, Edinburg
9-15 August 1963

MASLENIKOVA, Ye.M.; TIKHOMIROVA, A.N.; KRAYKO, Ye.A.; PENAR, O.I.; GVOZDOVA, L.G.; SOLOV'YEVA, L.Ya.; KULICHENKO, Ye.V.; GEL'FEMBEYN, A.Sh.

Study of the metabolism of vitamins in workers in the hot shop of a metallurgical factory. Vop. pit. 19 no.2:3-9 Mr-Ap '60. (MIRA 14:7)

1. Iz laboratorii izucheniya vitaminov (zav. - prof. V.V.Yefremov)
Instituta pitaniya AMN SSSR, Moskva.
(VITAMINS) (HEAT--PHYSIOLOGICAL EFFECT)

PENAR, Stanislaw; PRZYLECKI, Stanislaw; ZOLNIERKOWA, Danuta

Smallpox in the Wroclaw Province in 1963. Przegl. epidem. 18
no. 2:189-196 '64.

1. Z Wojewodzkiego Wydziału Zdrowia i Opieki Społecznej oraz
Wojewódzkiej Stacji Sanitarno-Epidemiologicznej we Wrocławiu.

ANDREASIK, Zbigniew; PENAR, Stanislaw; MILGROM, Halina

Reiter's disease with large skin changes (pseudo varicella). Case report. Polski tygod.lek. 15 no.31:1097-1100 1 Ag '60.

1. Z II Kliniki Chorob Wewnętrznych A.M. we Wrocławiu; kierownik: prof. dr Antoni Falkiewicz i z Kliniki Dermatologicznej A.M. we Wrocławiu; kierownik: prof. dr Henryk Mierzecki
(REITER'S DISEASE pathol.)
(SKIN pathol.)
(CHICKENPOX diag)